

WHAT IS CLAIMED IS:

1. A liquid crystal display comprising:
a liquid crystal panel assembly including two panels and a liquid crystal layer interposed between the panels and having first and second outer surfaces
5 opposite each other;
first and second polarizers on the first and the second surfaces of the panel assembly, respectively; and
a first a-plate compensation film with reverse wavelength dispersion inserted between the first polarizer and the first surface of the panel assembly.
- 10 2. The liquid crystal display of claim 1, further comprising a first hybrid c-plate compensation film inserted between the second surface of the panel assembly and the second polarizer or between the first a-plate compensation film and the first polarizer.
3. The liquid crystal display of claim 2, further comprising a second a-plate
15 compensation film with reverse wavelength dispersion inserted between the second polarizer and the second surface of the panel assembly and a second hybrid c-plate compensation film, the first and the second hybrid c-plate compensation films inserted between the first a-plate compensation film and the first polarizer and between the second a-plate compensation film and the second polarizer.
- 20 4. The liquid crystal display of claim 2, further comprising a third a-plate compensation film having forward wavelength dispersion inserted between the panel assembly and either of the first and the second polarizers.
5. The liquid crystal display of claim 1, wherein the first a-plate compensation film has biaxiality.
- 25 6. The liquid crystal display of claim 1, wherein the first a-plate compensation film satisfies the condition that $|n_y - n_z| < 0.1 \times |n_x - n_z|$.
7. The liquid crystal display of claim 1, wherein a retardation value of the first a-plate compensation film ranges about 5nm through about 45nm for a light wavelength of about 550nm, about $(0.4-0.7) \times$ (the retardation value for the light
30 wavelength of about 550nm) for a light wavelength of about 400nm, and about $(1.1-1.4) \times$ (the retardation value for the light wavelength of about 550nm) for a light wavelength of about 650nm.

8. The liquid crystal display of claim 1, wherein the liquid crystal layer has a twisted nematic configuration in which liquid crystal molecules in the liquid crystal layer are aligned parallel to the panels and spirally twisted from one of the panels to the other.

5 9. The liquid crystal display of claim 8, wherein a cell gap between the panels of the panel assembly ranges about 3.5-4.5 microns and a retardation value of the liquid crystal layer is in a range of about 0.35-0.48.

10 10. The liquid crystal display of claim 1, wherein the liquid crystal panel assembly is a vertically aligned configuration in which liquid crystal molecules in the liquid crystal layer are aligned perpendicular to the panels.

11. The liquid crystal display of claim 10, wherein a cell gap between the panels of the panel assembly ranges about 3.5-4.0 microns and a retardation value of the liquid crystal layer is in a range of about 0.25-0.35.